

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: INVUE

Report Number: P675537

Luminaire Tested: **CCW-SA-1F-730-U-SL3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675537
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1F-730-U-SL3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/
SL3 distribution lens
Light Source: (16) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

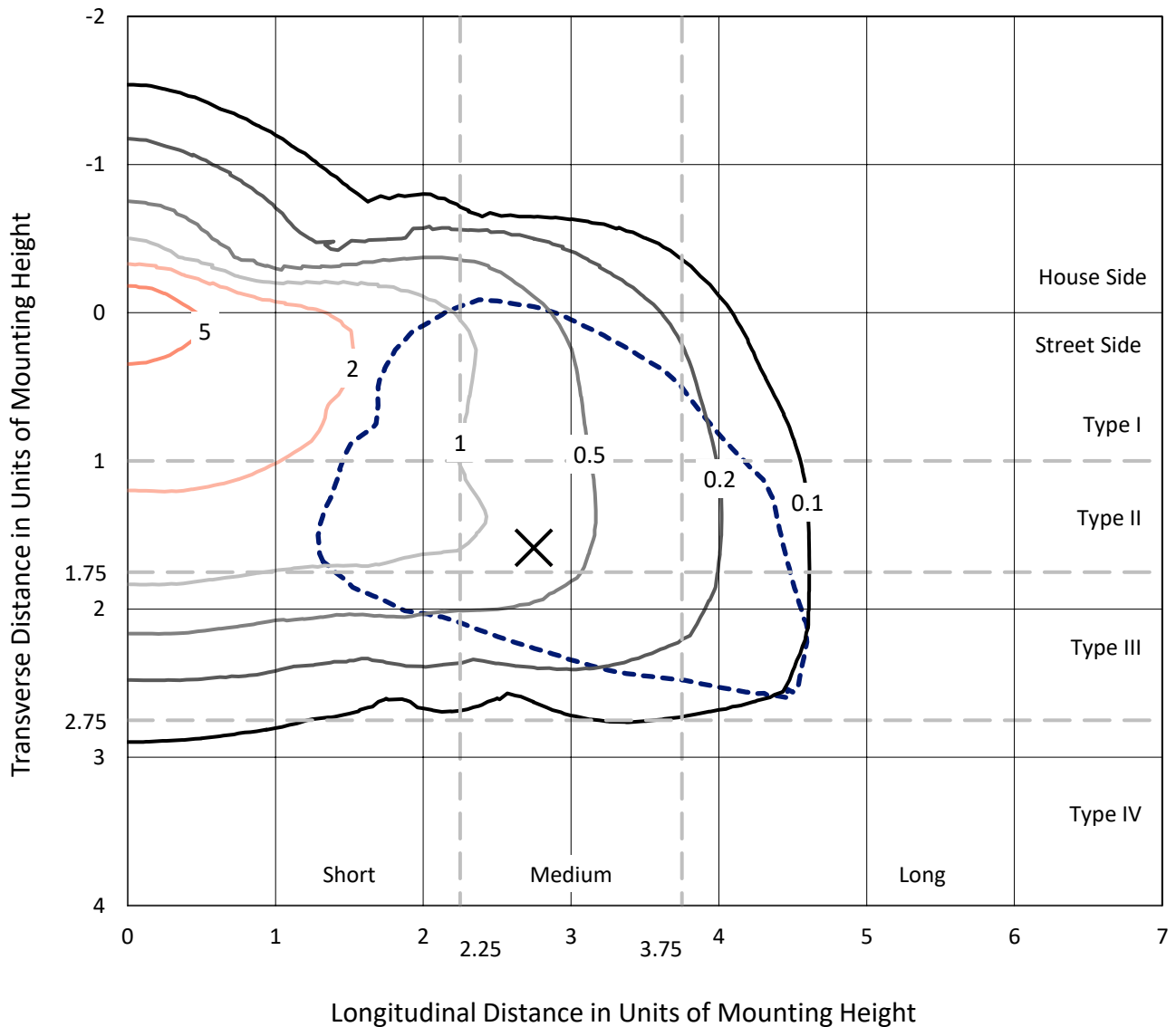
Lumens per Lamp: N/A
Luminaire Lumens: 6750.5 lumens
Efficiency: N/A
Efficacy: 100.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 67
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

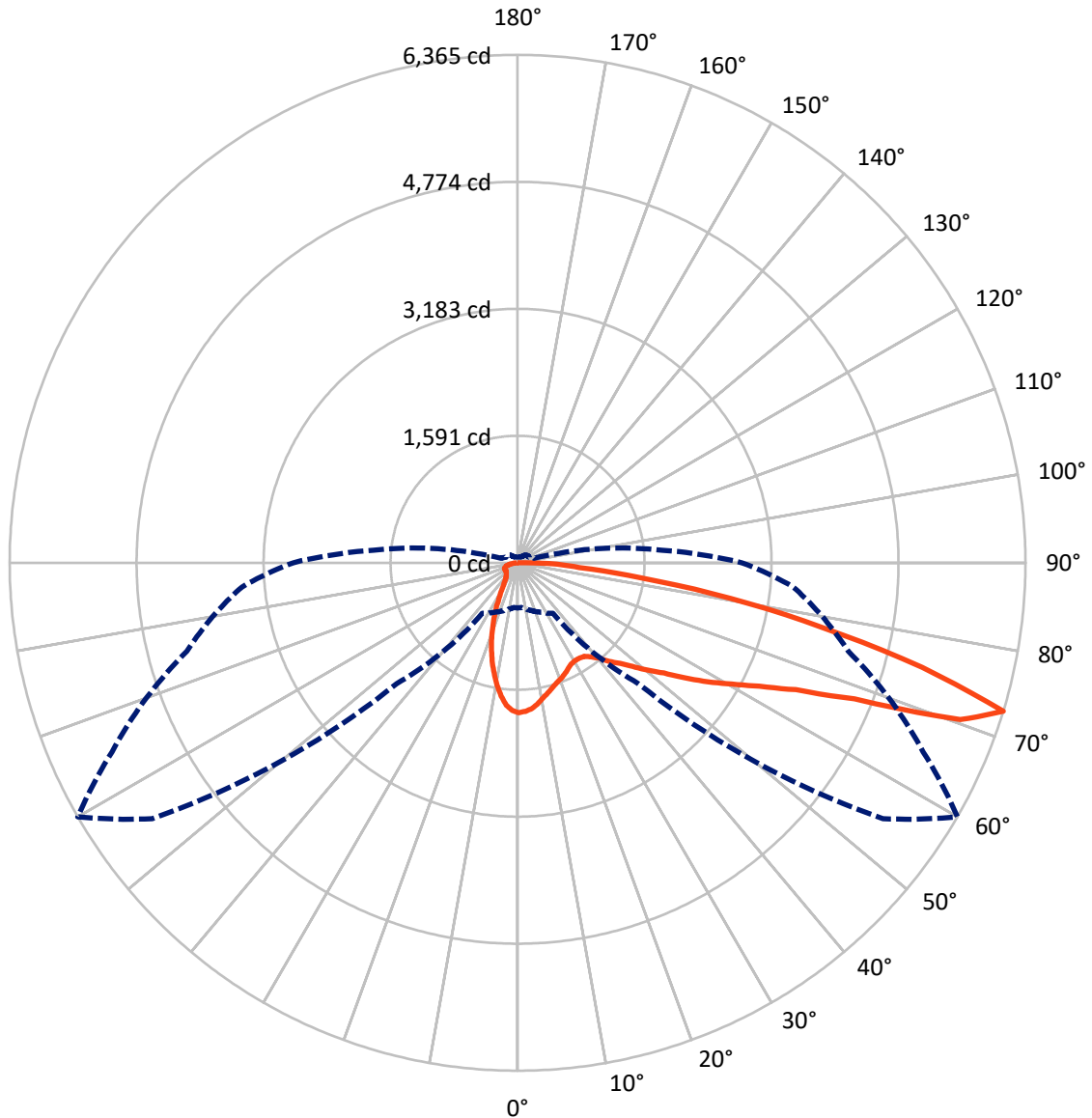
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1159.6	0.0	1159.6
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	5590.9	0.0	5590.9
	% Fixture	82.8	0.0	82.8
Total	Lumens	6750.5	0.0	6750.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.9	2.4
10°-20°	369.5	5.5
20°-30°	472.8	7.0
30°-40°	604.9	9.0
40°-50°	829.6	12.3
50°-60°	1199.9	17.8
60°-70°	1646.1	24.4
70°-80°	1235.2	18.3
80°-90°	229.6	3.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6750.5	100.0
0°-180°	6750.5	100.0

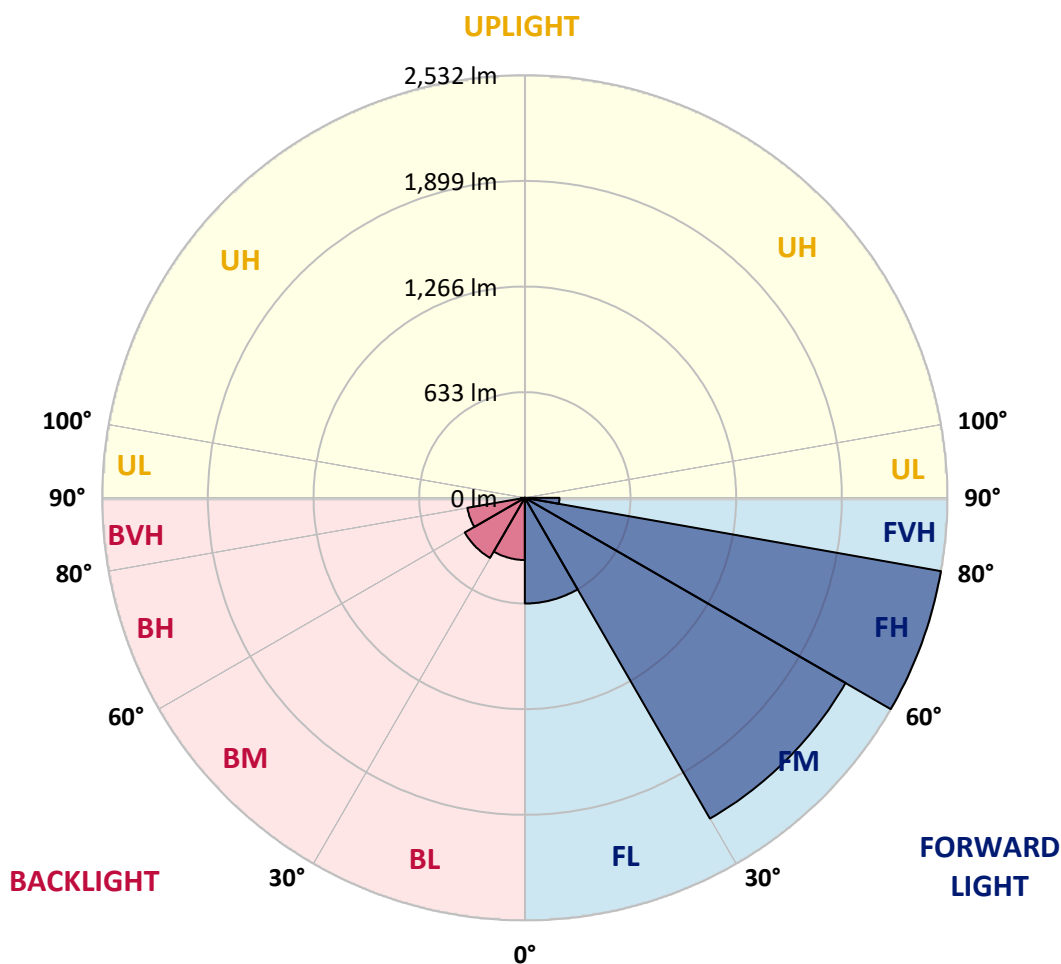


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	633.0	9.4			
FM (30°-60°)	2218.8	32.9			
FH (60°-80°)	2531.9	37.5			G2/5000
FVH (80°-90°)	207.2	3.1			G2/225
BL (0°-30°)	372.2	5.5	B1/500		
BM (30°-60°)	415.6	6.2	B1/1000		
BH (60°-80°)	349.4	5.2	B1/500		G1/500
BVH (80°-90°)	22.4	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1879.7	1879.7	1879.7	1879.7	1879.7	1879.7	1879.7	1879.7	1879.7	1879.7	1879.7
2.5°	1839.5	1857.1	1862.1	1862.1	1877.2	1859.6	1884.7	1864.6	1869.6	1877.2	1872.1
5°	1751.5	1781.7	1764.1	1796.8	1784.2	1806.8	1837.0	1837.0	1829.4	1844.5	1831.9
7.5°	1666.1	1656.0	1686.2	1686.2	1706.3	1736.4	1761.6	1786.7	1789.2	1794.2	1791.7
10°	1550.5	1563.1	1578.1	1598.2	1623.4	1653.5	1706.3	1726.4	1731.4	1761.6	1754.0
12.5°	1455.0	1472.6	1482.6	1522.8	1545.5	1588.2	1648.5	1676.1	1678.6	1721.4	1721.4
15°	1384.6	1394.7	1417.3	1432.4	1482.6	1542.9	1600.7	1625.9	1653.5	1698.7	1686.2
17.5°	1336.9	1349.5	1359.5	1379.6	1427.4	1477.6	1568.1	1583.2	1615.8	1681.2	1666.1
20°	1309.2	1311.8	1326.8	1339.4	1382.1	1429.9	1510.3	1550.5	1593.2	1651.0	1635.9
22.5°	1314.3	1304.2	1301.7	1319.3	1326.8	1372.1	1470.1	1512.8	1573.1	1641.0	1615.8
25°	1324.3	1326.8	1321.8	1306.7	1309.2	1349.5	1414.8	1470.1	1537.9	1638.4	1588.2
27.5°	1349.5	1362.0	1341.9	1326.8	1311.8	1326.8	1394.7	1434.9	1510.3	1651.0	1585.7
30°	1374.6	1387.1	1382.1	1359.5	1329.3	1324.3	1372.1	1422.3	1495.2	1661.1	1585.7
32.5°	1412.3	1429.9	1412.3	1419.8	1384.6	1362.0	1379.6	1424.8	1510.3	1696.2	1588.2
35°	1455.0	1470.1	1475.1	1457.5	1450.0	1407.2	1417.3	1439.9	1525.4	1736.4	1613.3
37.5°	1502.7	1520.3	1535.4	1537.9	1512.8	1487.7	1482.6	1495.2	1563.1	1806.8	1641.0
40°	1535.4	1545.5	1575.6	1600.7	1608.3	1573.1	1570.6	1570.6	1630.9	1869.6	1691.2
42.5°	1590.7	1585.7	1628.4	1673.6	1686.2	1666.1	1671.1	1691.2	1726.4	1960.1	1771.6
45°	1618.3	1613.3	1663.6	1739.0	1796.8	1786.7	1791.7	1799.3	1831.9	2103.3	1907.3
47.5°	1656.0	1661.1	1733.9	1819.4	1879.7	1914.9	1942.5	1940.0	1965.1	2249.1	2058.1
50°	1693.7	1703.8	1791.7	1882.2	1987.7	2048.0	2088.3	2115.9	2141.0	2402.4	2231.5
52.5°	1766.6	1776.7	1874.7	1972.7	2108.4	2196.3	2296.8	2294.3	2296.8	2555.7	2404.9
55°	1872.1	1874.7	1932.5	2045.5	2229.0	2389.8	2528.0	2543.1	2500.4	2746.6	2603.4
57.5°	1992.8	2002.8	2053.1	2138.5	2324.5	2575.8	2786.9	2817.0	2701.4	2902.4	2784.3
60°	2105.8	2113.4	2191.3	2289.3	2490.3	2809.5	3048.2	3083.4	2957.7	3093.4	2972.8
62.5°	1977.7	2015.4	2153.6	2377.2	2781.8	3163.8	3379.9	3402.5	3206.5	3286.9	3173.8
65°	1583.2	1608.3	1806.8	2168.7	2801.9	3807.1	3892.5	3832.2	3548.3	3535.7	3477.9
67.5°	882.0	902.1	1037.8	1417.3	2359.7	4048.4	4995.7	4553.5	4078.5	3910.1	3890.0
70°	696.1	701.1	718.7	796.6	1309.2	3568.4	5865.2	5885.3	4945.5	4425.3	3978.0
72.5°	565.4	562.9	615.7	683.5	774.0	2141.0	5591.3	6365.3	5608.9	4289.6	3465.3
75°	432.2	439.8	507.6	605.6	708.6	1007.7	4171.5	5237.0	5254.6	3998.1	2922.6
77.5°	329.2	331.7	407.1	535.3	693.6	711.2	2721.5	3902.6	3920.2	3095.9	1610.8
80°	246.3	246.3	309.1	452.3	676.0	655.9	1676.1	2706.4	2450.1	1088.1	351.8
82.5°	140.7	150.8	206.1	344.3	613.2	630.7	944.9	1550.5	1035.3	296.5	163.3
85°	75.4	77.9	125.6	231.2	505.1	603.1	721.2	771.5	412.1	158.3	75.4
87.5°	27.6	27.6	57.8	118.1	319.1	447.3	573.0	492.5	236.2	72.9	37.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1879.7	1879.7	1879.7	1879.7	1879.7	1879.7	1879.7	1879.7	1879.7	1879.7	1879.7
2.5°	1877.2	1867.1	1859.6	1867.1	1839.5	1826.9	1842.0	1834.4	1819.4	1811.8	1806.8
5°	1839.5	1826.9	1814.3	1806.8	1776.7	1746.5	1731.4	1701.3	1676.1	1683.7	1668.6
7.5°	1799.3	1786.7	1749.0	1713.8	1653.5	1593.2	1565.6	1522.8	1507.8	1495.2	1487.7
10°	1749.0	1726.4	1668.6	1598.2	1510.3	1442.4	1372.1	1321.8	1269.0	1246.4	1254.0
12.5°	1686.2	1673.6	1583.2	1475.1	1352.0	1238.9	1156.0	1075.5	1005.2	967.5	957.4
15°	1658.5	1620.8	1490.2	1346.9	1191.1	1050.4	927.3	786.6	703.6	663.4	663.4
17.5°	1628.4	1558.0	1402.2	1206.2	1027.8	846.9	673.5	545.3	480.0	457.4	457.4
20°	1580.6	1502.7	1299.2	1073.0	856.9	638.3	482.5	412.1	392.0	376.9	379.5
22.5°	1545.5	1450.0	1203.7	942.4	678.5	474.9	379.5	356.8	349.3	344.3	346.8
25°	1505.3	1387.1	1103.2	801.6	532.7	374.4	329.2	319.1	324.2	326.7	326.7
27.5°	1472.6	1334.4	1000.2	650.9	402.1	316.6	296.5	294.0	304.1	309.1	311.6
30°	1450.0	1286.6	899.6	512.6	321.7	281.4	271.4	271.4	284.0	289.0	291.5
32.5°	1427.4	1246.4	791.6	392.0	273.9	251.3	248.8	251.3	258.8	258.8	261.3
35°	1434.9	1208.7	688.5	316.6	246.3	231.2	231.2	231.2	233.7	236.2	236.2
37.5°	1450.0	1198.7	578.0	266.4	226.2	216.1	216.1	213.6	216.1	213.6	216.1
40°	1465.0	1183.6	477.5	236.2	213.6	206.1	203.5	198.5	196.0	196.0	198.5
42.5°	1527.9	1203.7	392.0	216.1	203.5	198.5	191.0	186.0	183.4	183.4	183.4
45°	1608.3	1241.4	324.2	206.1	196.0	183.4	178.4	175.9	170.9	173.4	175.9
47.5°	1728.9	1299.2	284.0	198.5	188.5	173.4	168.4	163.3	163.3	168.4	168.4
50°	1887.2	1394.7	258.8	191.0	180.9	165.9	158.3	155.8	155.8	163.3	163.3
52.5°	2058.1	1505.3	248.8	188.5	173.4	158.3	150.8	148.3	148.3	158.3	158.3
55°	2229.0	1641.0	256.3	188.5	168.4	150.8	143.2	138.2	140.7	148.3	148.3
57.5°	2417.5	1786.7	294.0	188.5	163.3	148.3	138.2	130.7	133.2	135.7	135.7
60°	2623.5	1977.7	359.4	188.5	160.8	143.2	130.7	120.6	120.6	123.1	123.1
62.5°	2832.1	2166.2	452.3	191.0	163.3	140.7	120.6	110.6	108.1	110.6	110.6
65°	3106.0	2467.7	545.3	191.0	170.9	135.7	113.1	100.5	98.0	98.0	100.5
67.5°	3490.5	2683.8	422.2	183.4	175.9	135.7	105.5	93.0	88.0	88.0	88.0
70°	3286.9	2264.2	268.9	170.9	168.4	140.7	100.5	85.4	80.4	77.9	77.9
72.5°	2814.5	1811.8	216.1	160.8	155.8	138.2	95.5	80.4	72.9	70.4	70.4
75°	2256.6	1429.9	188.5	145.8	135.7	115.6	88.0	72.9	67.8	62.8	62.8
77.5°	1105.7	598.1	143.2	128.2	115.6	88.0	77.9	67.8	60.3	55.3	55.3
80°	276.4	208.6	105.5	100.5	85.4	67.8	62.8	57.8	52.8	47.7	47.7
82.5°	148.3	123.1	75.4	67.8	57.8	47.7	47.7	45.2	42.7	37.7	35.2
85°	75.4	72.9	50.3	45.2	37.7	30.2	32.7	32.7	30.2	22.6	22.6
87.5°	40.2	40.2	25.1	20.1	17.6	15.1	15.1	15.1	12.6	10.1	10.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)